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TITLE : VINYL CHLORIDE RESIN COMPOSITION

ABSTRACT : PURPOSE: To prepare a composition crosslinkable easily with heat, and giving a molded article having high flexibility and improved thermal resistance without using a plasticizer, by compounding a specific vinyl chloride polymer with an elastomer selected from polyurethanes, etc.

CONSTITUTION: A vinyl chloride polymer containing peroxide group at the branched chain, is compounded with an elastomer selected from polyurethane, chlorinated polyethylene, ethylene-vinyl acetate copolymer, ethylene-propylene copolymer, acrylate polymer, and epichlorohydrin rubber. The vinyl chloride polymer is preferably a polymer derived from vinyl chloride monomer and t- butyl peroxyallylcarbonate, etc. at a weight ratio of 98/2-60/40. The compounding of the polymer with the elastomer is preferably carried out at 100-130°C, and the obtained composition can be extruded at 190-200°C.

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